

Search

Objective

As projects grow with numerous files, there is a frequent need to search the files for words/patterns. This projectlet attempts to provide a tool to meet the need.

User needs and requirements

| Id | Need/Requirement |
|----|--|
| 1 | The utility shall support the search for text or regular expressions. |
| 2 | The utility shall support the search of specified files. |
| 3 | The utility shall support the search of all files in specified directories. |
| 4 | The utility shall support recursive search of files in specified directories. |
| 5 | The occurrences shall be listed with line numbers. |
| 6 | File names shall be listed only if the search candidate is found in the files. |

User wants

The following will enhance the appeal of the tool.

| Id | Wants |
|----|--|
| 1 | For search patterns, the actual text that matched shall be shown distinctively |

Specifications

| Switch | Interpretation |
|---|---|
| -p --pattern | Search for the pattern instead of as text |
| -r:<dir> --recurse:<dir> | Recursive search in this directory |
| -c --case | Case sensitive search. Default is non case sensitive |
| arg0 | Search candidate (pattern or text) |
| arg1 ... argn | Files to search. File names are always assumed to be wildcards. |

Example usage